

Claims

1. Rheological additive comprising illite clay, smectic clay and an attapulgite.
2. Rheological additive according to claim 1, wherein the illite clay has an illite content
5 between 5 and 20 wt.-%.
3. Rheological additive according to claim 1 or 2, wherein the smectic clay is bentonite.
4. Coating material comprising a rheological additive according to any of claims 1 to 3.
5. Coating material according to claim 4 comprising 0.1 to 10 wt.-% of the illite clay,
10 0.1 to 10 wt.-% of the smectic clay and 0.1 to 10 wt.-% of the attapulgite.
6. Coating material according to claim 5 comprising 0.1 to 3.0 wt.-% of the illite clay, 0.1 to 2.0 wt.-% of the smectic clay and 0.1 to 2.0 wt.-% of the attapulgite.
7. Coating material according to any of claims 4 to 6, furthermore comprising a carrier liquid, wherein the carrier liquid comprises water as the main component.
- 15 8. Coating material according to claim 7, wherein the carrier liquid is water.
9. Coating material according to any of claims 4 to 8, furthermore comprising a refractory material.
10. Coating material according to claim 9, wherein the refractory material comprises pyrophyllite, mica and/or zirconium silicate.
- 20 11. Coating material according to any of claims 4 to 10, furthermore comprising a binder.
12. Coating material according to claim 11, wherein the binder comprises starch.
13. Coating material according to any of claims 4 to 8, furthermore comprising a glass former and a network modifier.

14. Coating material according to claim 13, wherein the glass former comprises SiO_2 and Al_2O_3 and the network modifier is selected from Na_2O , K_2O , CaO , BaO , Li_2O , MgO , ZnO , PbO and SrO .
- 5 15. Coating material according to any of claims 4 to 8, furthermore comprising a chromatic clay material.
16. Coating material according to any of claims 4 to 15, furthermore comprising an additive selected from suspending agents, wetting and dispersing agents, standardizing agents and/or biocides.
- 10 17. Process for the production of a coating material according to any of claims 4 to 16, characterized in that a rheological additive according to any of claims 1 to 3 is introduced into a carrier liquid.
18. Process for coating porous bodies with a coating material comprising the steps:
 - a) providing a coating material according to any of claims 4 to 16;
 - b) applying the coating material to a porous body; and
 - 15 c) drying the coated porous body.
19. Process according to claim 18, wherein the porous body is a core or a mold for use in foundry technology.
20. Process according to claim 18, wherein the porous body is a raw ceramic body.
21. Process according to claim 18, wherein the porous body is cardboard or paper.
- 20 22. Process according to any of claims 18 to 21, wherein the material is applied to the porous body by means of a dip coating process.
23. Coated porous body onto which a coating material according to any of claims 4 to 16 has been applied.
24. Coating porous body according to claim 23, onto which the coating material has
25 been applied by means of a dip coating process.

- 25. Use of a coating material according to any of claims 4 to 16 for coating a porous body.
- 26. Use according to claim 25, wherein the porous body is a core or a mold for use in foundry technology.
- 5 27. Use according to claim 25, wherein the porous body is a raw ceramic body.
- 28. Use according to claim 25, wherein the porous body is cardboard or paper.
- 29. Use of a rheological additive according to any of claims 1 to 3 for controlling the application characteristics of a coating material for porous bodies.